(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 4 April 2002 (04.04.2002)

PCT

(10) International Publication Number WO 02/26281 A1

(51) International Patent Classification⁷: A61L 31/10, 27/34, A61M 31/00, A61L 31/16, A61F 2/06

(21) International Application Number: PCT/US01/30519

(22) International Filing Date:

28 September 2001 (28.09.2001)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

09/675,882	29 September 2000 (29.09.2000)	US
09/850,482	7 May 2001 (07.05.2001)	US
09/884,729	19 June 2001 (19.06.2001)	US
09/887,464	22 June 2001 (22.06.2001)	US
09/,	25 September 2001 (25.09.2001)	US

(71) Applicant: CORDIS CORPORATION [US/US]; 14201 N.W. 60th Avenue, Miami Lakes, FL 33014 (US).

(72) Inventors: DAVILA, Luis, A.; 3527 Ballantyne Drive, Pleasanton, CA 94588 (US). LENTZ, David, C.; 1371

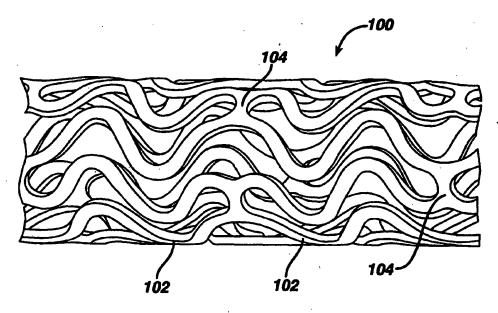
Ginger Circle, Weston, FL 33326 (US). LLANOS, Gerard, H.; 1514 Megan Circle, Stewartsville, NJ 08886 (US). MENDEZ, Jorge, O.; 11751 S.W. 123rd. Avenue, Miami, FL 33186 (US). NARAYANAN, Pallassana, V.; 3 Sweet Briar Court, Belle Mead, NJ 08502 (US). PELTON, Alan, R.; 421 Hillview Drive, Fremont, CA 94536 (US). ROLLER, Mark, B.; 9 Quince Place, North Brunswick, NJ 08902 (US). SCHEIDT, Karl, K.; 18185 N.W. 21st Street, Pembroke Pines, FL 33029 (US). SCOPELIANOS. Angelo; 7 John Stevens Road, Whitehouse Station, NJ 08889 (US). SHAW JR., William, D.; 20150 N.E. 3rd Court, #8, Miami, FL 33179 (US). SILVER, James, H.; 2894 Briarfield Avenue, Redwood City, CA 94061 (US). SPALTRO, John; 12 Alpaugh Road, Asbury, NJ 08882 (US). TREPANIER, Christine; 39469 Gallaudet Drive, Apt. 312, Fremont, CA 94538 (US). WILSON, David, J.; 547 Cascade Falls Drive, Ft. Lauderdale, FL 33327 (US).

(74) Agents: JOHNSON, Philip, S. et al.; One Johnson & Johnson Plaza, New Brunswick, NJ 08933 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

[Continued on next page]

(54) Title: COATED MEDICAL DEVICES



(57) Abstract: Medical devices, and in particular implantable medical devices, may be coated to minimize or substantially eliminate a biological organism's reaction to the introduction of the medical device to the organism. The medical devices may be coated with any number of biocompatible materials. Therapeutic drugs, agents or compounds may be mixed with the biocompatible materials and affixed to at least a portion of the medical device. These therapeutic drugs, agents or compounds may also further reduce a biological organism's reaction to the introduction of the medical device to the organism. Various materials and coating methodologies may be utilized to maintain the drugs, agents or compounds on the medical device until delivered and positioned.

